

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052225AL\
 Data File : FC068974.D
 Signal(s) : FID1A.ch
 Acq On : 22 May 2025 09:59
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File: autoint1.e
 Quant Time: May 23 03:13:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.706	2079081	18.215 ug/ml
Spiked Amount 50.000		Recovery =	36.43%
12) S 1-chlorooctadecane (S...	13.139	1505823	18.770 ug/ml
Spiked Amount 50.000		Recovery =	37.54%
Target Compounds			
1) T n-Nonane (C9)	3.440	1775547	17.653 ug/ml
2) T n-Decane (C10)	4.516	1784006	17.904 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1947391	17.662 ug/ml
4) T n-Dodecane (C12)	6.540	1773169	18.247 ug/ml
5) T A~2-methylnaphthalene...	7.170	1919063	17.880 ug/ml
6) T n-Tetradecane (C14)	8.337	1730793	18.727 ug/ml
7) T n-Hexadecane (C16)	9.939	1707870	19.073 ug/ml
8) T n-Octadecane (C18)	11.382	1680980	19.163 ug/ml
10) T n-Eicosane (C20)	12.693	1632986	19.162 ug/ml
11) T n-Heneicosane (C21)	13.306	1615625	19.155 ug/ml
13) T n-Docosane (C22)	13.892	1603871	19.172 ug/ml
14) T n-Tetracosane (C24)	14.996	1589397	19.102 ug/ml
15) T n-Hexacosane (C26)	16.017	1576799	19.031 ug/ml
16) T n-Octacosane (C28)	16.968	1589801	19.236 ug/ml
17) T n-Tricontane (C30)	17.856	1674228	19.787 ug/ml
18) T n-Dotriacontane (C32)	18.689	1719918	19.968 ug/mlm
19) T n-Tetratriacontane (C34)	19.473	1651675	19.386 ug/mlm
20) T n-Hexatriacontane (C36)	20.214	1604875	18.673 ug/ml
21) T n-Octatriacontane (C38)	20.986	1521723	18.141 ug/ml
22) T n-Tetracontane (C40)	21.961	1457161	17.780 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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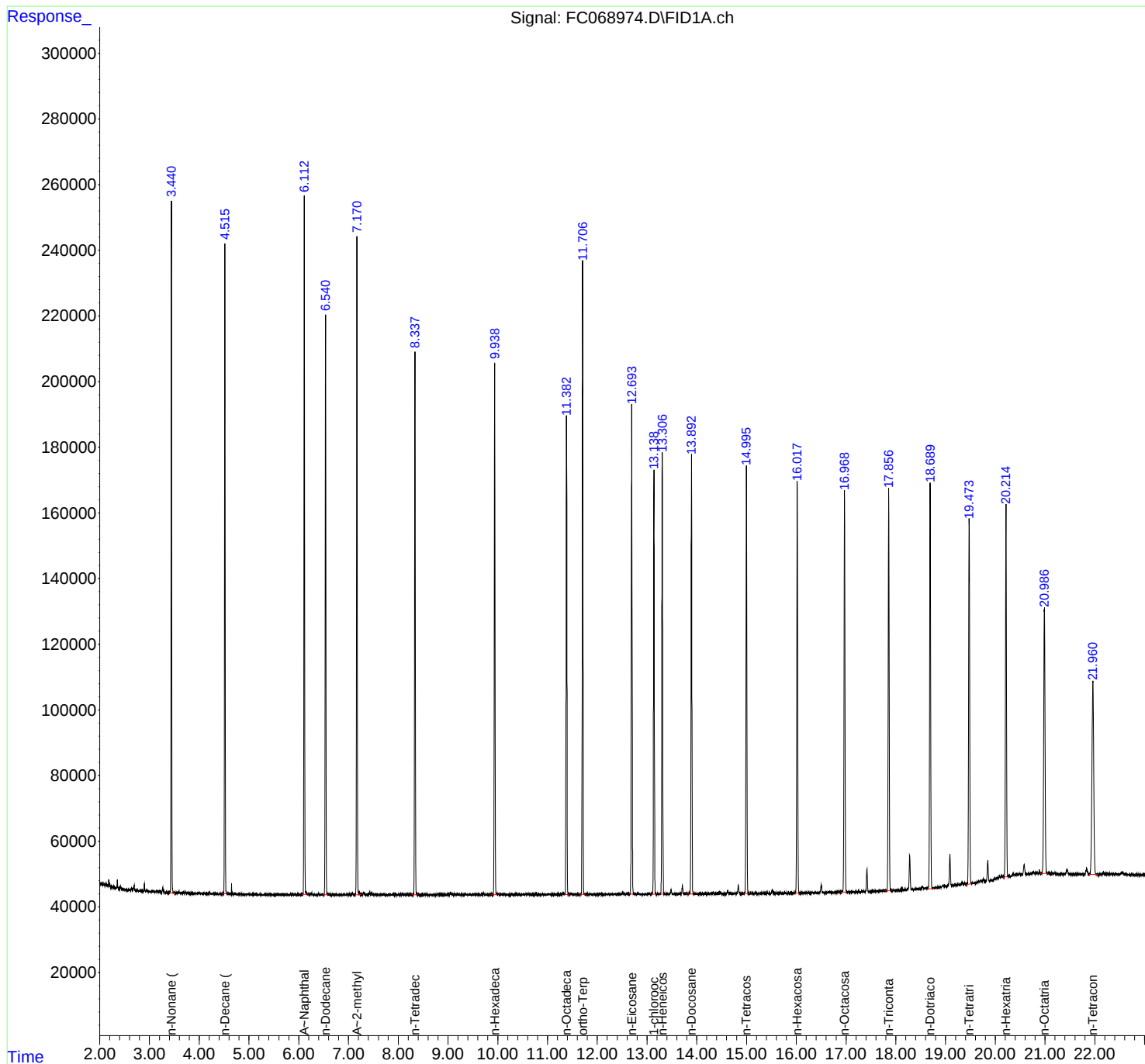
Instrument :
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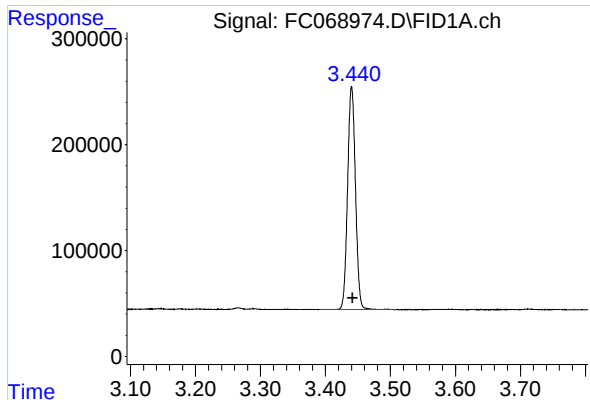
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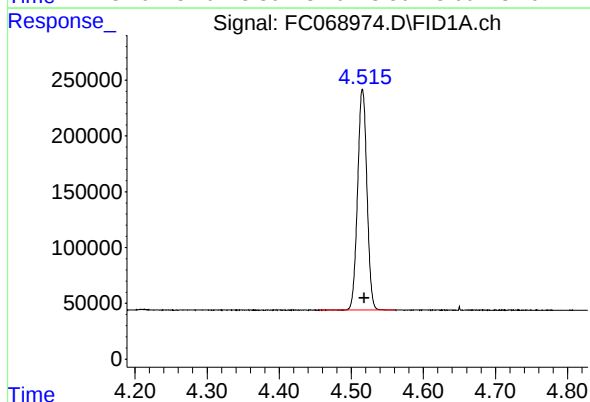
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: -0.002 min
Response: 1775547
Conc: 17.65 ug/ml

Instrument :
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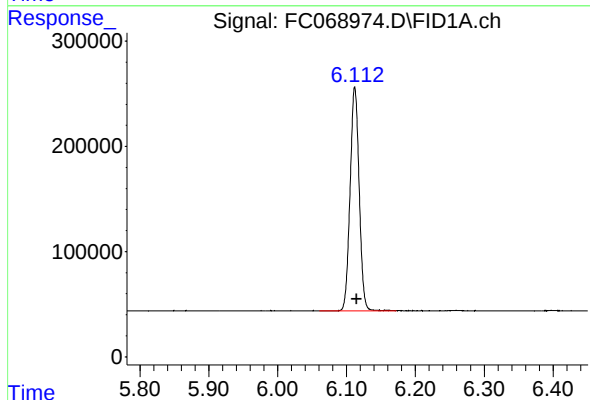
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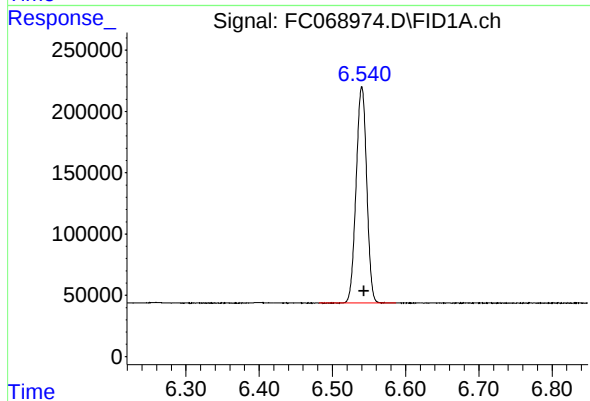
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: -0.002 min
Response: 1784006
Conc: 17.90 ug/ml



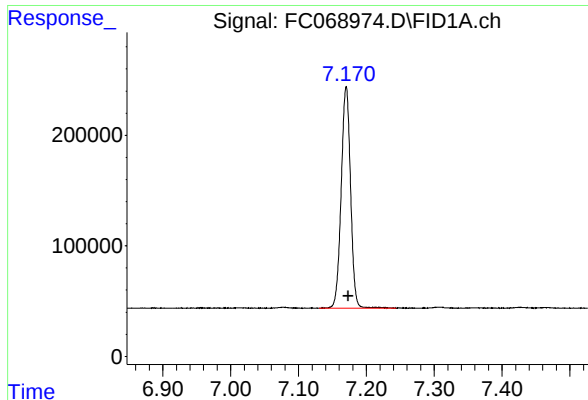
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: -0.003 min
Response: 1947391
Conc: 17.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: -0.003 min
Response: 1773169
Conc: 18.25 ug/ml



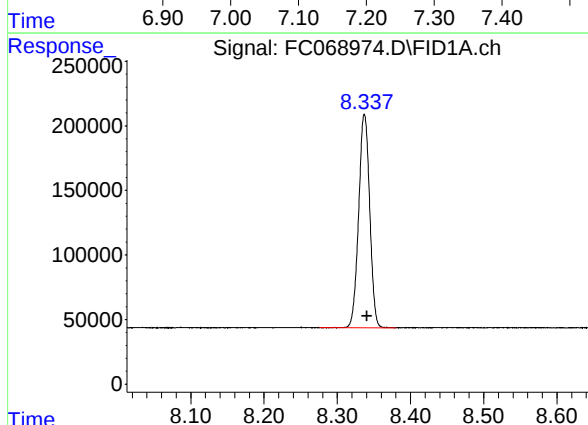
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 1919063
Conc: 17.88 ug/ml

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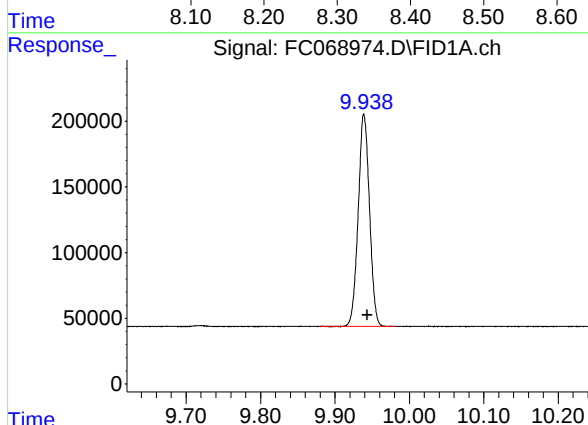
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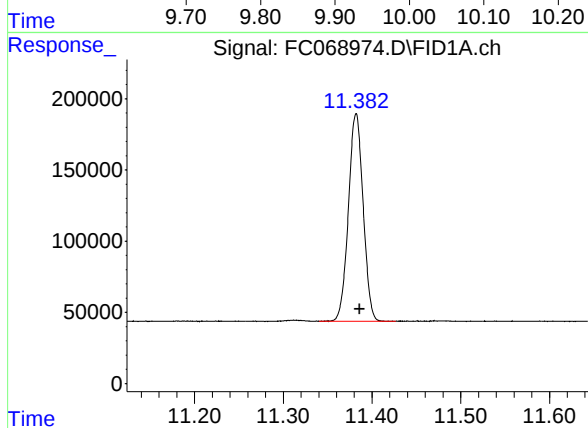
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.003 min
Response: 1730793
Conc: 18.73 ug/ml



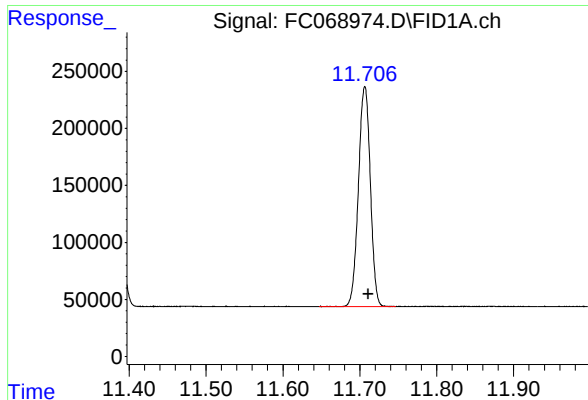
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.005 min
Response: 1707870
Conc: 19.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min
Delta R.T.: -0.004 min
Response: 1680980
Conc: 19.16 ug/ml



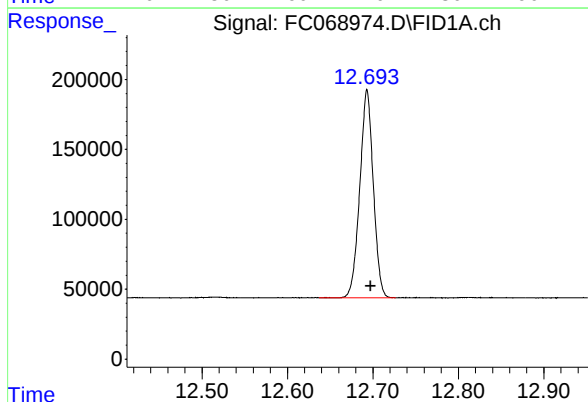
#9 ortho-Terphenyl (SURR)

R.T.: 11.706 min
Delta R.T.: -0.004 min
Response: 2079081
Conc: 18.22 ug/ml

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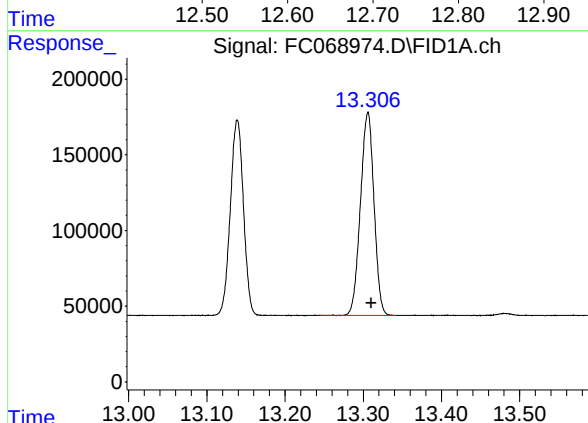
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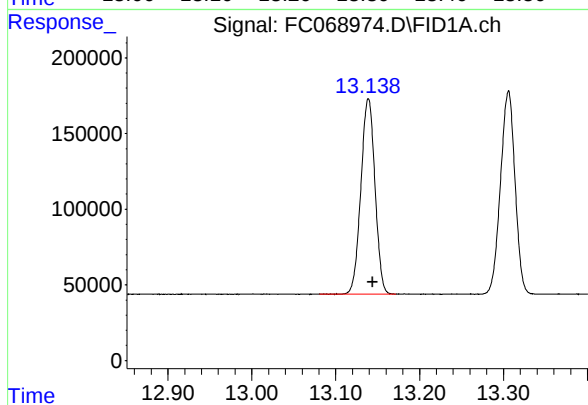
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: -0.004 min
Response: 1632986
Conc: 19.16 ug/ml



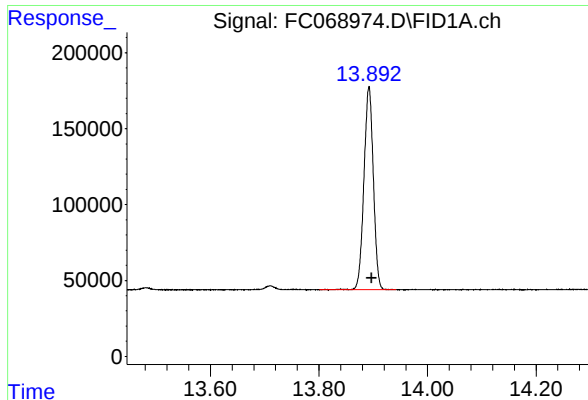
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: -0.004 min
Response: 1615625
Conc: 19.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.139 min
Delta R.T.: -0.005 min
Response: 1505823
Conc: 18.77 ug/ml



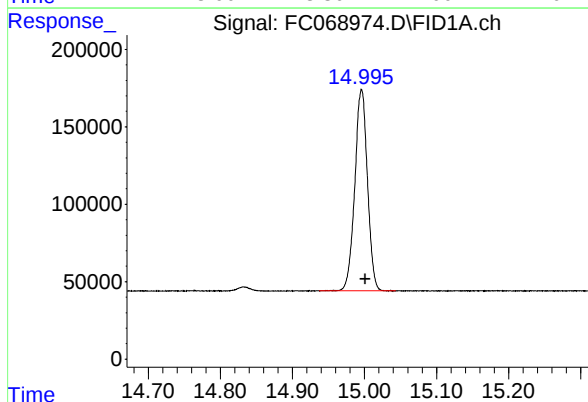
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1603871
Conc: 19.17 ug/ml

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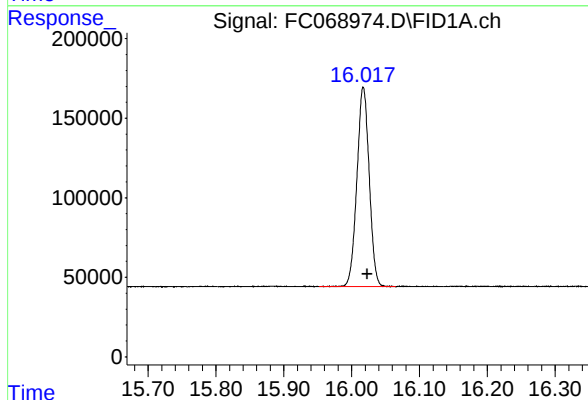
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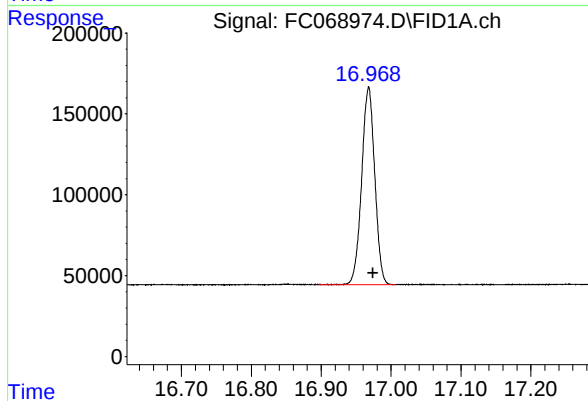
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.005 min
Response: 1589397
Conc: 19.10 ug/ml



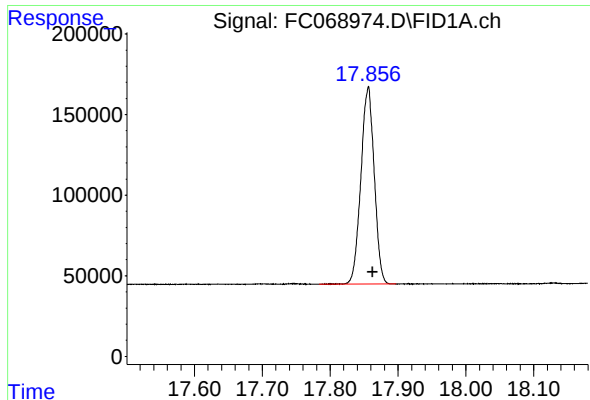
#15 n-Hexacosane (C26)

R.T.: 16.017 min
Delta R.T.: -0.006 min
Response: 1576799
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1589801
Conc: 19.24 ug/ml



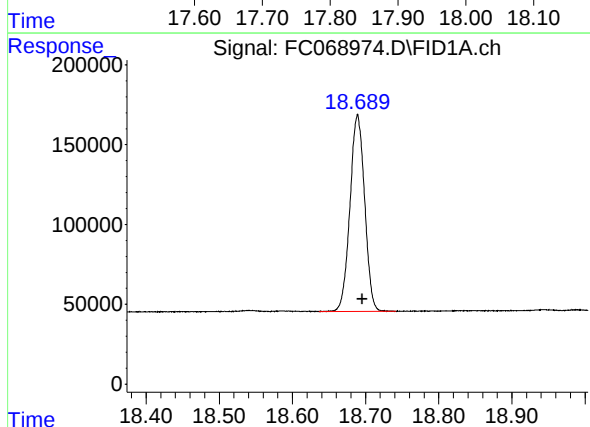
#17 n-Tricontane (C30)

R.T.: 17.856 min
Delta R.T.: -0.007 min
Response: 1674228
Conc: 19.79 ug/ml

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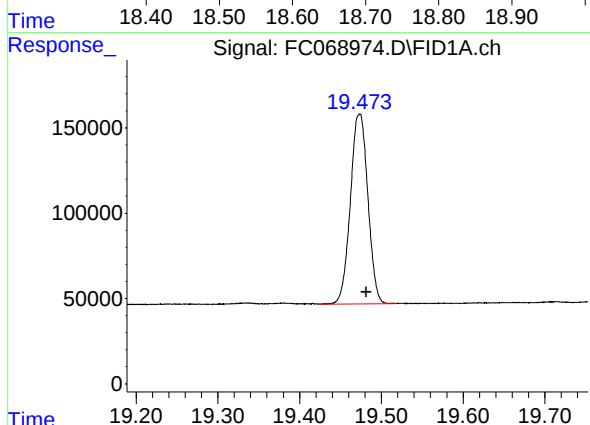
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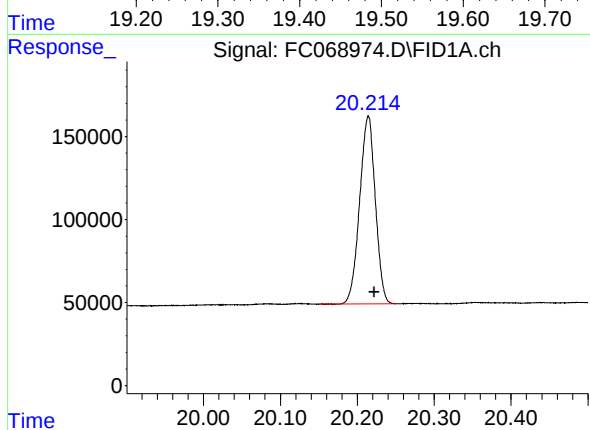
#18 n-Dotriacontane (C32)

R.T.: 18.689 min
Delta R.T.: -0.007 min
Response: 1719918
Conc: 19.97 ug/ml m



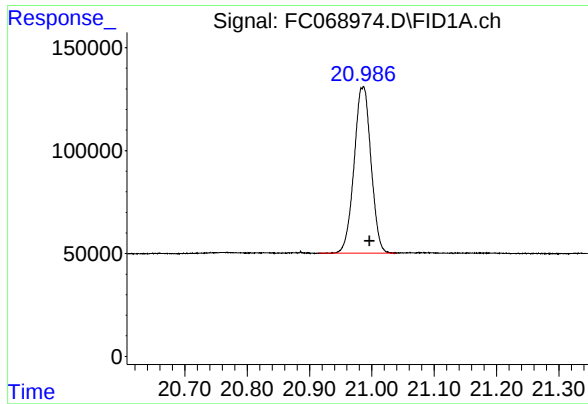
#19 n-Tetatriacontane (C34)

R.T.: 19.473 min
Delta R.T.: -0.009 min
Response: 1651675
Conc: 19.39 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.214 min
Delta R.T.: -0.008 min
Response: 1604875
Conc: 18.67 ug/ml



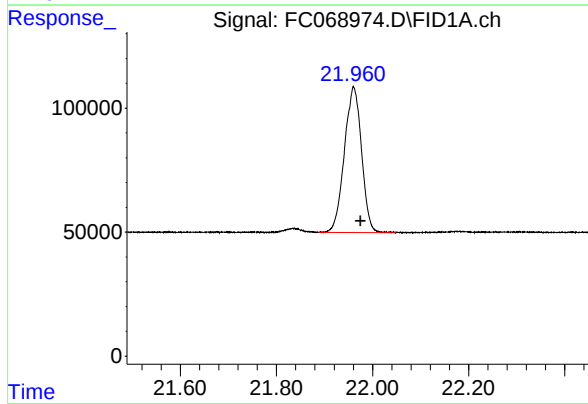
#21 n-Octatriacontane (C38)

R.T.: 20.986 min
Delta R.T.: -0.011 min
Response: 1521723
Conc: 18.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.961 min
Delta R.T.: -0.015 min
Response: 1457161
Conc: 17.78 ug/ml